

SECRET

CHAL-0934-60

29 March 1960

MEMORANDUM FOR : The Record

SUBJECT : System VII, Improvement of

1. System VII has been employed in the field for approximately nine months to collect telemetry signals emanating from [REDACTED]. The automatic turn-on feature of the system has been operating satisfactorily and consistently at approximately X + 90 seconds ( X representing missile launch time). However, the intercepts with this system have been marginal for the first two minutes following automatic turn-on. Signals of a reducible nature have not occurred until somewhere between X + 150 and X + 200 seconds, which means that the most valuable portion of the telemetry received cannot be exploited.

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2. In order to correct the above condition, it is proposed to modify System VII by increasing the overall sensitivity a minimum of 3 db which will be sufficient to allow accurate readout of the telemetry at X + 90 seconds. The accomplishment of this modification is mandatory if it is hoped to operate System VII successfully against signals emanating from other sophisticated vehicles.

3. An Activity Program will be submitted for the above proposal.

[REDACTED]  
Development Branch  
DPD-DD/P

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25 YEAR RE-REVIEW

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